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The Hague Search division La Haye Division de la recherche

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GILL JENNINGS & EVERY

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Anmeldung Nr./Application No./Demande n°./Patent Nr../Patent No./Brevet n°.

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Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire SensoNor asa

COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

X abstract

X title

The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

NONE

REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.



EUROPEAN SEARCH REPORT

Application Number EP 03 25 1626

Citation of document with Incomplete International Sensors It and anodic bonding 1998 INTERNATIONAL SONFERENCE. CAS'98 IT ON SENSOR SECHANICAL SYSTEMS. APAN, JAN. 23–27, NTERNATIONAL MICRO SECHANICAL SYSTEMS. APAN, JAN. 23–27, NTERNATIONAL MICRO SECHANICAL SYSTEMS.	Building of siley bulk micromaces of by bulk micromaces of semiconductor proceedings (CATINTERNATIONAL RENCE. CAS'98, ROMANIA, 6-10, XPO10313805, USA, IEEE, USA, '03.3!,'04.1!-' "A MONOLITHIC CUUM-SEALED CMOSIEEE 13TH. ANNUARENCE ON MICRO EMEMS 2000. MIYA 2000, IEEE ELECTRO MECHANI	to icon 1-5 7-1 17- 	.5, -19	TECHNICAL FIELDS SEARCHED (Int.CI.7) B81B
echanical sensors bend anodic bonding" 998 INTERNATIONAL SONFERENCE. CAS'98 IO.98TH8351), 1998 EMICONDUCTOR CONFERENCEDINGS, SINAIA 998, pages 33-44 vol.1 998, New York, NY, SBN: 0-7803-4432-4 figures 7-9 * paragraphs '03.2! HAVAN A V ET AL: ULLY-INTEGRATED VARESSURE SENSOR" ROCEEDINGS OF THE NTERNATIONAL CONFERECHANICAL SYSTEMS. APAN, JAN. 23-27, NTERNATIONAL MICROYSTEMS CONFERENCE,	SEMICONDUCTOR PROCEEDINGS (CAT INTERNATIONAL RENCE. CAS'98 , ROMANIA, 6-10 , XPO10313805 USA, IEEE, USA , '03.3!, '04.1!-' "A MONOLITHIC CUUM-SEALED CMOS IEEE 13TH. ANNUA RENCE ON MICRO E MEMS 2000. MIYA 2000, IEEE ELECTRO MECHANI	04.4! * 6,1 04.4! * 6,1 LECTRO ZAKI,	.5, -19	TECHNICAL FIELDS SEARCHED (Int.Cl.7)
pages 33-44 vol.1 998, New York, NY, SBN: 0-7803-4432-4 figures 7-9 * paragraphs '03.2! HAVAN A V ET AL: ULLY-INTEGRATED VAI RESSURE SENSOR" ROCEEDINGS OF THE NTERNATIONAL CONFE ECHANICAL SYSTEMS. APAN, JAN. 23-27, NTERNATIONAL MICRO YSTEMS CONFERENCE,	USA, IEEE, USA ,'03.3!,'04.1!-' "A MONOLITHIC CUUM-SEALED CMOS IEEE 13TH. ANNUA RENCE ON MICRO E MEMS 2000. MIYA 2000, IEEE ELECTRO MECHANI	L LECTRO ZAKI,	3, -18	SEARCHED (Int.Cl.7)
HAVAN A V ET AL: ULLY-INTEGRATED VAI RESSURE SENSOR" ROCEEDINGS OF THE NTERNATIONAL CONFE ECHANICAL SYSTEMS. APAN, JAN. 23-27, NTERNATIONAL MICRO YSTEMS CONFERENCE,	"A MONOLITHIC CUUM-SEALED CMOS IEEE 13TH. ANNUA RENCE ON MICRO E MEMS 2000. MIYA 2000, IEEE ELECTRO MECHANI	L LECTRO ZAKI,	3, -18	SEARCHED (Int.Cl.7)
ULLY-INTEGRATED VARESSURE SENSOR" ROCEEDINGS OF THE NTERNATIONAL CONFE ECHANICAL SYSTEMS. APAN, JAN. 23-27, NTERNATIONAL MICRO YSTEMS CONFERENCE,	CUUM-SEALED CMOS IEEE 13TH. ANNUA RENCE ON MICRO E MEMS 2000. MIYA 2000, IEEE ELECTRO MECHANI	L LECTRO ZAKI,	-18	SEARCHED (Int.Cl.7)
NTERNATIONAL CONFE ECHANICAL SYSTEMS. APAN, JAN. 23-27, NTERNATIONAL MICRO YSTEMS CONFERENCE,	RENCE ON MICRO E MEMS 2000. MIYA 2000, IEEE ELECTRO MECHANI	LECTRO ZAKI, CAL		SEARCHED (Int.Cl.7)
NTERNATIONAL MICRO YSTEMS CONFERENCE,	ELECTRO MECHANI		E	B81B
,		EEE,		
23 January 2000 (2 41-346, XP00104533 SBN: 0-7803-5274-2 figures 1,2,6-8 *	9			
paragraphs 'STRUC	TURAL!,'!,'PROCE		19	
	-/-	-		•
The present search report has	been drawn up for all claim	s		
Place of search				Examiner
			Pole	sello, P
TEGORY OF CITED DOCUMENTS Liarly relevant if taken alone Liarly relevant if combined with another the same category	T:th E:en af ther D:do L:do	eory or principle under riter patent document er the filing date current cited in the current cited for other	erlying the inv nt, but publish application er reasons	vention ed on, or
	figures 1,2,6-8 * paragraphs 'STRUC The present search report has lace of search ERLIN EGORY OF CITED DOCUMENTS larly relevant if taken alone larly relevant if combined with anote ent of the same category logical background ritten disclosure	rhe present search report has been drawn up for all claim The present search report has been drawn up for all claim Tace of search ERLIN BEGORY OF CITED DOCUMENTS Larly relevant if taken alone after the same category logical background ritten disclosure Tent of the same category logical background ritten disclosure Tent of the same category logical background ritten disclosure Tent of the same category logical background ritten disclosure Tent of the same category logical background logical ba	figures 1,2,6-8 * paragraphs 'STRUCTURAL!,'!,'PROCESS! * 9, -/ The present search report has been drawn up for all claims lace of search ERLIN BEGORY OF CITED DOCUMENTS Larly relevant if taken alone larly relevant if combined with another ent of the same category logical background Titlen disclosure T: theory or principle und E: earlier patent document after the filling date D: document cited in the L: document cited for other interest of the same paragraphs.	rhe present search report has been drawn up for all claims The present search report has been drawn up for all claims Tace of search ERLIN Date of completion of the search 3 July 2003 Pole EGORY OF CITED DOCUMENTS Larly relevant if combined with another early relevant if combined with another early relevant if to combined with another early relevant of the same category logical background T: theory or principle underlying the integration of the search coursent, but publish after the filling date D: document cited in the application L: document cited for other reasons

D,X US 4 291 293 A (YAMADA KAZUJI ET AL) 22 September 1981 (1981-09-22) * figures 1-4 * * column 3, line 46 - column 6, line 44 * A US 4 773 972 A (MIKKOR MATI) 27 September 1988 (1988-09-27) * figures 1,2 * * column 2, line 66 - column 5, line 48 * A EP 0 962 275 A (DELPHI TECH INC) 8 December 1999 (1999-12-08) X # figures 1-3 * * paragraphs '0017!-'0028! * A WO 01 56921 A (RAYTHEON CO) 9 August 2001 (2001-08-09) X # figures 1-14 * * page 6, line 11 - page 24, line 3 * TECHNICAL FIELDS SEARCHED (INC.) 1,3,7, 10,11, 13,17 The present search report has been drawn up for all clalms Page of search Caus of completion of the search Examiner Examiner Examiner	·		RED TO BE RELEVANT	<u>- 1 : </u>			
22 September 1981 (1981-09-22) * figures 1-4 * * column 3, line 46 - column 6, line 44 * A US 4 773 972 A (MIKKOR MATI) 27 September 1988 (1988-09-27) * figures 1,2 * * column 2, line 66 - column 5, line 48 * A EP 0 962 275 A (DELPHI TECH INC) 8 December 1999 (1999-12-08) * figures 1-3 * * paragraphs '0017!-'0028! * A WO 01 56921 A (RAYTHEON CO) 9 August 2001 (2001-08-09) * figures 1-14 * * page 6, line 11 - page 24, line 3 * The present search report has been drawn up for all claims Piezo of search The present search report has been drawn up for all claims Piezo of search Date of completion of the search Examinar Examinar Examinar Examinar	Category				CLASSIFICATION OF THE APPLICATION (Int.CI.7)		
* column 3, line 46 - column 6, line 44 *	D,X	22 September 1981 (1	DA KAZUJI ET AL) 1981-09-22)				
# figures 1,2 * * column 2, line 66 - column 5, line 48 * X	A	* column 3, line 46	- column 6, line 44 x	6,8-10,			
# figures 1,2 * * column 2, line 66 - column 5, line 48 * EP 0 962 275 A (DELPHI TECH INC) 8 December 1999 (1999–12-08) * figures 1-3 * * paragraphs '0017!-'0028! * A WO 01 56921 A (RAYTHEON CO) 9 August 2001 (2001–08-09) * figures 1-14 * * page 6, line 11 - page 24, line 3 * A The present search report has been drawn up for all claims Place of search Date of completion of the search Examiner Examiner	X			11-15,			
# figures 1-3 * * paragraphs '0017!-'0028! * WO 01 56921 A (RAYTHEON CO) 9 August 2001 (2001-08-09) * figures 1-14 * * page 6, line 11 - page 24, line 3 * The present search report has been drawn up for all claims Place of search Place of search 11,13, 17,18	A .	* figures 1,2 * * column 2, line 66	- column 5, line 48 *	* 6,9,10,			
# paragraphs '0017!-'0028! * 2,4-6,9, 10,12, 14-16,19	X			11,13,			
9 August 2001 (2001-08-09) * figures 1-14 * * page 6, line 11 - page 24, line 3 * 2,4-6,8, 9,12, 14-16, 18,19 The present search report has been drawn up for all claims Place of search Date of completion of the search Examiner	A		-'0028! *	10,12,	SEARCHED (Int.CI.7)		
* figures 1-14 * * page 6, line 11 - page 24, line 3 * 2,4-6,8, 9,12, 14-16, 18,19 The present search report has been drawn up for all claims Place of search Date of completion of the search Examiner	X	WO 01 56921 A (RAYT 9 August 2001 (2001	 HEON CO) -08-09)	10,11,	-		
Place of search Date of completion of the search Examiner	A		page 24, line 3 *	2,4-6,8 9,12, 14-16,	•		
Place of search Date of completion of the search Examiner							
Place of search Date of completion of the search Examiner			haan denum un for all algiera				
Place of search			·		Evaminer		
CATEGORY OF CITED DOCUMENTS T: theory or principle underlying the invention		7,000 0,000,00					
E : earlier patent document, but published on, or after the filing date Y : particularly relevant if taken alone O : non-written disclosure E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons A : technological background A : member of the same patent family, corresponding	X:pa Y:pa do	CATEGORY OF CITED DOCUMENTS articularly relevant if taken alone articularly relevant if combined with ano cument of the same category	T: theory or pri E: earlier pater after the fillin ther D: document c L: document c	nciple underlying the it document, but put g date ited in the application ted for other reasons	e invention blished on, or n s		



EUROPEAN SEARCH REPORT

Application Number EP 03 25 1626

ategory	Citation of document with Ir of relevant pass	dication, where appropriate, ages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)
Χ .	FR 2 780 200 A (COM ATOMIQUE) 24 Decemb * figures 5-9 *	MISSARIAT ENERGIE er 1999 (1999-12-24)	1,7,10,	•
A		page 14, line 22 *	2-6,8,9, 12-16, 18,19	
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	· .			
				TECHNICAL FIELDS SEARCHED (Int.CI.7)
		*	· .	
	The present search report has	Date of completion of the search	1	Examiner
X:pa Y:pa	BERLIN CATEGORY OF CITED DOCUMENTS rticularly relevant if taken alone rticularly relevant if combined with ano current of the same category chnological background	E : earlier paten after the fillin ther D : document ci L : document ci	nciple underlying the it document, but public g date led in the application ed for other reasons	esello, P invention shed on, or

ON EUROPEAN PATENT APPLICATION NO.

This annex lists the patent family members relating to the patent documents cited in the above—mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

03-07-2003

	Patent documer ed in search rep		Publication date		Patent fami member(s		Publication date
US 4	291293	Α	22-09-1981	JP JP	1473444 55044786	C A	27-12-1988 29-03-1980
	•			JP		В	25-03-1988
				AU		B2	28-04-1983
				AU	,	A	03-04-1980
	•			CA .		A1	05-01-1982
				DE		Dī	18-08-1983
				EP	0010204		30-04-1980
US 4	773972	A	27-09-1988	JP	63117233	Α .	21-05-1988
EP 0	962275	Α	08-12-1999	US	6062461	Α	16-05-2000
Li	1902273		•••••	EP ·	0962275	A2	08-12-1999
WO 0	156921	Α	09-08-2001	US	6521477	B1	18-02-2003
NO 0	100321	••		US	6479320	B1	12-11-2002
				ΑU	3475001	Α	14-08-2001
				EP		A2	08-01-2003
	* •			WO		A2	09-08-2001
				US	2002000646	A1 	03-01-2002
FR 2	2780200	A	24-12-1999	FR		A1	24-12-1999
				EP	1090419		11-04-2001
				WO	9967818	A1	29-12-1999
			-	US	6566170	B1	20-05-2003